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## INTEROFFICE MEMORANDUM

DATE: May 13, 1996

TO: On-Site Transportation Committee, Ken Lenarcic, Bldg. 111, X2377

FROM: Herb Finkelman, Project Management, T130F, X5491

SUBJECT: APPROVAL FOR MOVEMENT OF "J" MODULE GLOVEBOXES TO BUILDING. 776 - HNF-052-96

Action: Approve referenced proposal

### PURPOSE

The purpose of this correspondence is to present the Transportation Committee with a proposal for transportation of the Gloveboxes from Building 707 "J" Module to Building 776 for Size Reduction, and request approval this date.

### DISCUSSION

The scope of the project consists of the removal of four (4) large gloveboxes and one (1) small "B" box in the "J" Module of Building 707. All associated utilities are also to be removed. Radiologically contaminated boxes include J20, J40, and J50. They will be removed to Building 776 for volume reduction. J30 will be shipped to Los Alamos and J40A will be scrapped.

Hazardous and mixed wastes, such as lead and contaminated lead, will be removed from the boxes prior to disposition. The intent is to remove and segregate all lead and outer surface materials such as Mycardia (plastic) from the gloveboxes while they are still in Building 707. The work will be conducted in High Efficiency Particulate Air filtered tents to control radioactive contamination levels during the operation.

A strippable paint will be used to decontaminate the boxes in an attempt to reduce contamination levels to a point where they can be classified as low-level waste. Radiological smears will be taken after final decontamination to determine the classification level of the gloveboxes. The gloveboxes will then be double-wrapped in heavy plastic, pigtailed, crated and transported to Building 776 to be size-reduced and packaged into a standard crate. The Table below gives the standard glovebox dimensions for the boxes which will be size-reduced.

<u>Quantity</u>	<u>Dimensions</u>	<u>Additional Description</u>
1 ea.	L12'3" x W5'5" x H5'6"	J50 Glovebox
2 ea.	L15' x W5'3" x H6'3"	J20 and 40 Gloveboxes
2 ea.	L8' x W5' x H4'	J20 Control Panel & Manifold
1 ea.	L7' x W4' x H6'	J20 Furnace
1 ea.	L7' x W6' x H5'	Penthouse J-20

ADMIN RECORD

B707-A-000041

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The specifications for the crates designed to package the gloveboxes are attached to this memo. The crates, once loaded will be moved to the main dock behind Building 707 and loaded into an enclosed van with forklifts for transport to Building 776.

The steps to be implemented to insure safe movement of the gloveboxes is as follows:

1. All gloveboxes and components involved in the move will be decontaminated to As Low As Reasonably Achievable (ALARA).
2. The Leaded Gloves, Lead sheeting and Leaded-Glass Windows will be removed prior to packaging and all glove ports will be blanked-off. This is to insure that all contaminated lead, i.e., mixed waste, will be segregated and packaged separately from the gloveboxes.
3. Each Glovebox will be double-wrapped in heavy plastic and pigtailed to seal the contents.
4. The gloveboxes will not contain free liquids or loose material.
5. Each decontaminated glovebox will be placed into an Rocky Flats Environmental Technology Site (RFETS) engineered crate and then double-banded (reference Attachment A for drawings). The crates will be properly labelled with project identification and pertinent radiological information.
6. "Cradles" will be used to move the packed crates through the corridor to the main dock outside of Building 707.
7. The crates will be loaded into an enclosed van for transportation to Building 776. Forklifts will be used where needed for loading and unloading.

The goal of the decontamination activities associated with the "J" Module Glove-Box Strip- Out is to reduce contamination levels to the point where the boxes can be classified as Low-Level Waste. Due to the fact that in-situ gamma scanning equipment is not available, data from radiological smears and surveys will be collected by the RCTs to support calculations required for Department of Transportation (DOT) measurements (A2 Values). There is a possibility that the calculations may qualify some of the boxes as Transuranic Waste, however this data will not be available for several weeks. Approval of the Committee is required at this time in order to utilize the low-level waste crate for transit and temporary storage of these gloveboxes. Note that Building 776 Management has approved the storage and size-reduction requirements for acceptance of these boxes.

#### RESPONSE REQUIREMENTS

Request that this proposal be approved with comment as necessary. If you need

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additional information, please contact Mary T. Aycock at Extension 5309 or Tim Humiston at Extension 2700 or D0850.

Attachment:  
As Stated

MTA:dlu

APPROVED:

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On-Site Transportation Committee

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Date

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